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AGRICULTURE APPROPRIATION BILL.

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JANUARY 21, 1918.—Committed to the Committee of the Whole House on the state of the Union and ordered to be printed.

U. S. Cong. House.

Mr. LEVER, from the Committee on Agriculture, submitted the following

REPORT.

[To accompany H. R. 9054.]

The Committee on Agriculture begs to submit the following report, to accompany bill (H. R. 9054) making appropriations for the Department of Agriculture for the fiscal year ending June 30, 1919.

The committee held hearings extending over a period of three weeks on the estimates presented by the department. Representatives of the Department of Agriculture appeared before it and discussed in detail the various items. The report of the hearings has been published and there is included in it a detailed statement showing the activities conducted under each subappropriation, the amount allotted for each purpose during the present fiscal year, and the proposed allotment during the next fiscal year.

As a result of the abnormal conditions growing out of the declaration of the existence of a state of war with Germany, the department has redirected many of its activities and diverted its efforts to the solution of problems of immediate importance and having a direct bearing upon the emergency. The food-production act, which was approved on August 10, 1917, carried an additional appropriation of \$11,346,400, to enable the department to deal more effectively with war conditions. The Secretary of Agriculture in preparing the estimates for 1919 thought it best to make provision in them only for the regular activities of the department, with such increases, reductions, or variations as the present situation demands, and to defer presentation of estimates for the continuation of the emergency activities conducted under the food-production act until later in the year when the needs for the next fiscal year could be more definitely and accurately determined. The present bill, therefore, deals only with the usual activities of the department, and represents the judgment of the committee as to the provision which should be made for

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the work of the department without special reference to war conditions. The estimates for the war-emergency activities will be presented in the near future and will be thoroughly canvassed by the committee, and its conclusions will be indicated in a report upon any measure that may result from its consideration of the matter.

The total sum carried by the present bill for the Department of Agriculture is \$26,943,773. This is an apparent increase of \$1,014,660 over the appropriation act for the fiscal year 1918, and a decrease of \$353,318 below the estimates submitted by the department. The agricultural appropriation act for the fiscal year 1917, however, includes \$3,000,000 for the purchase of lands under the Weeks Forestry Act, \$2,000,000 of which is available for expenditure during the fiscal year 1918. Taking into consideration this \$2,000,000, the present bill represents a decrease of \$985,340 below the amount available for expenditure during 1918.

While the total carried by the bill is \$26,943,773, the fact must not be lost sight of that one of the items—the appropriation of \$1,000,000 for combating foot-and-mouth disease or other contagious or infectious diseases of animals which may threaten the live-stock industry of the country—simply constitutes an emergency fund, to be used only in case there is an outbreak of any of these diseases. In case there is no outbreak, the fund will not be used and will be retained in the Treasury.

The following table shows the appropriations for the present fiscal year, the estimates submitted by the various bureaus and offices to the Secretary of Agriculture, the estimates submitted by the Department of Agriculture to the committee, the amount carried in this bill, the increases and decreases of the bill, as compared with the estimates submitted by the department, and the increases and decreases of the bill, as compared with the appropriation for the present fiscal year:

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Bureau or office.	Appropriation in agricultural act, 1918.	Bureau or office esti- mates, 1919.	Department estimates, 1919.	Reported by House committee.	Increase over or decrease below department estimates.	Increase over or decrease below 1918 appropriation.
Office of the Secretary.....	\$412,010.00	{ \$471,120.00	\$465,120.00	{ \$462,000.00	- \$7,800.00	+ \$49,990.00
Office of Farm Management.....	305,810.00	{ 4,680.00	305,000.00	{ 305,000.00	.....	- 720.00
Weather Bureau.....	1,783,140.00	{ 1,908,210.00	1,902,930.00	{ 1,912,930.00	+ 6,140.00	- 129,790.00
Bureau of Animal Industry.....	3,555,326.00	3,713,306.00	3,637,896.00	3,700,008.00	+ 62,112.00	+ 144,682.00
Bureau of Plant Industry.....	3,143,690.00	3,115,551.00	2,898,038.00	2,915,035.00	+ 17,000.00	+ 228,592.00
Forest Service.....	5,712,275.00	5,831,780.00	5,731,555.00	5,731,555.00	.....	+ 19,280.00
Bureau of Chemistry.....	1,200,591.00	1,367,391.00	1,243,391.00	1,243,391.00	.....	+ 42,800.00
Bureau of Soils.....	363,735.00	491,235.00	491,235.00	491,235.00	.....	+ 127,500.00
Bureau of Entomology.....	931,480.00	1,008,660.00	976,680.00	976,680.00	.....	+ 45,200.00
Bureau of Biological Survey.....	592,070.00	843,420.00	586,350.00	586,350.00	.....	+ 5,720.00
Division of Accounts and Disbursements.....	44,920.00	44,920.00	44,920.00	44,920.00	.....	.....
Division of Publications.....	213,990.00	233,860.00	214,740.00	214,740.00	.....	+ 750.00
Bureau of Crop Estimates.....	323,452.00	452,991.00	359,007.00	346,232.00	- 12,775.00	+ 22,780.00
Library.....	50,160.00	53,700.00	50,160.00	50,160.00	.....	.....
Miscellaneous expenses, Department of Agriculture.....	137,500.00	{ 144,000.00	137,500.00	{ 142,500.00	.....	+ 5,000.00
Rent in the District of Columbia.....	143,689.00	158,659.00	158,689.00	158,689.00	.....	+ 15,000.00
States Relations Service.....	3,107,660.00	3,159,750.00	3,150,820.00	3,150,820.00	.....	+ 43,160.00
Bureau of Public Roads.....	701,600.00	712,460.00	669,440.00	593,540.00	- 75,900.00	+ 108,090.00
Bureau of Markets.....	1,718,575.00	{ 3,660,086.00	1,990,350.00	1,973,255.00	- 42,095.00	+ 254,680.00
Insecticide and Fungicide Board.....	112,500.00	{ 125,000.00	121,240.00	121,240.00	.....	+ 8,740.00
Federal Horticultural Board.....	125,000.00	624,800.00	74,500.00	74,500.00	.....	+ 50,200.00
Total, Department of Agriculture for routine and ordinary work.....	24,679,113.00	28,526,949.00	25,248,491.00	25,195,173.00	- 53,318.00	+ 516,060.00
Miscellaneous appropriations:						
Demonstrations on reclamation projects.....	50,000.00	48,600.00	48,600.00	48,600.00	.....	- 1,400.00
Cooperative fire protection of forested watersheds of navigable streams.....	100,000.00	125,000.00	100,000.00	100,000.00	.....	.....
Experiments and demonstrations in live-stock production in the cane-sugar and cotton districts of the United States.....	60,000.00	60,000.00	60,000.00	60,000.00	.....	.....
Experiments in dairy and live-stock production in semiarid and irrigated districts of the western United States.....	40,000.00	40,000.00	40,000.00	40,000.00	.....	.....
Eradication of the foot-and-mouth and other contagious diseases of animals.....	1,000,000.00	1,000,000.00	1,000,000.00	1,000,000.00	.....	+ 500,000.00
Suppressing spread of pink bollworm of cotton.....	2,000,000.00	1,800,000.00	1,800,000.00	500,000.00	- 300,000.00	+ 500,000.00
Purchase of lands under Weeks forestry law.....	.....	.....	.....	.....	.....	- 2,000,000.00
Grand total, Department of Agriculture.....	27,929,113.00	30,600,549.00	27,297,931.00	26,943,773.00	- 353,318.00	- 985,340.00

+ equals Increase; - equals decrease.

! Supplemental estimate.

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REVENUES.

In considering the above table it should be borne in mind that the appropriations of the Department of Agriculture are offset to some extent by certain revenues resulting from or incident to its activities. These revenues during the fiscal year 1917 amounted to \$3,554,195.92, and were covered into the Treasury as miscellaneous receipts. They include the following items:

Receipts from national forests, \$3,457,028.41.—The receipts from the national forests were derived from the following sources, and represent an increase of \$633,487.70 over the year 1916:

(a) Timber, \$1,692,515.21: Sales of all classes of stumpage on the national forests, payments for timber destroyed on rights of way or other uses, payments for timber cut or removed without previous permit, and damages assessed against persons setting fire to forest areas.

(b) Grazing, \$1,549,794.76: Payments for grazing privileges on national forest ranges for cattle, horses, swine, sheep and goats, and for unauthorized use of grazing areas.

(c) Special uses, \$214,718.44: Payments for use of forest lands for various purposes, such as residences, camps, cabins, hotels, rights of way, agriculture, wharves, water power, telegraph and telephone lines, reservoirs, conduits, etc., and use of forest areas for turpentine extraction.

Benefits derived by States from receipts from national forests.—Under existing law 10 per cent of the forest receipts is expended by the Secretary of Agriculture in the construction of roads and trails, and 25 per cent of the forest receipts is paid to the States by the Federal Government for the benefit of county schools and roads. The amounts expended in or paid to each State during the fiscal year 1917 are shown below:

State.	School and road moneys payable to States.	Road and trail moneys expendable by Secretary of Agriculture.	State.	School and road moneys payable to States.	Road and trail moneys expendable by Secretary of Agriculture.
Alaska.....	\$16,679.61	\$6,671.85	North Carolina.....	\$1,195.53	\$478.22
Arizona.....	81,036.72	32,414.69	North Dakota.....	17.60	7.04
Arkansas.....	12,772.08	5,109.07	Oklahoma.....	1,520.30	608.12
California.....	108,982.56	43,593.02	Oregon.....	98,681.18	39,472.47
Colorado.....	76,594.93	30,137.97	South Carolina.....	3.65	1.46
Florida.....	2,501.51	1,000.60	South Dakota.....	15,959.82	6,383.93
Georgia.....	105.85	42.34	Tennessee.....	418.03	167.21
Idaho.....	92,470.55	36,988.22	Utah.....	51,704.07	20,681.63
Michigan.....	34.09	13.88	Virginia.....	2,019.05	807.62
Minnesota.....	2,274.98	909.99	Washington.....	49,455.34	19,782.13
Montana.....	116,121.52	46,648.61	West Virginia.....	417.02	166.81
Nebraska.....	2,019.07	807.63	Wyoming.....	35,744.77	14,297.91
Nevada.....	19,756.64	7,902.65			
New Hampshire.....	1,379.34	551.74	Total.....	\$48,874.01	\$39,549.61
New Mexico.....	58,507.00	23,402.80			

Additional benefits derived by Arizona and New Mexico from receipts from national forests.—The States of Arizona and New Mexico received additional shares of national forest receipts for their school funds on account of school lands included within national forests, as follows: Arizona, \$42,844.80; New Mexico, \$18 687.56.

Telegrams over Government lines, \$5,804.45.—These receipts are derived through the transmission of private messages over Weather Bureau telegraph lines in isolated regions where commercial lines are not yet available.

Sale of cotton standards, \$2,679.40.—These receipts are derived through the sale of practical forms of the official cotton standards prepared by the department to the various exchanges, spot-market dealers, merchants, cotton mills, agricultural colleges, and textile schools.

Cost of cotton-futures disputes, \$1,664.35.—These receipts are derived through the settlement of disputes referred to the department from time to time by either party to a contract of sale of cotton for future delivery, for determination as to the quality, grade, or length of staple of the cotton, in accordance with the provisions of the United States cotton-futures act.

Sale of loose cotton, \$29,915.47.—In the preparation of practical forms of the official cotton standards it is necessary for the department to purchase in the open market considerable quantities of cotton in order to match the various types and classes of cotton. A large quantity of the cotton thus purchased is found unsuitable for use in making copies of the official cotton standards and this is disposed of to dealers at the best price obtainable.

Cost of grain-standards appeals, \$775.—These receipts represent charges made for the settlement of appeals from the grading of grain by licensed inspectors; also disputes as to the correct grade of grain entering into interstate commerce between noninspection points referred to the Department of Agriculture in accordance with the provisions of the United States grain-standards act.

Sale of photo prints, lantern slides, etc., \$741.14.—These receipts are derived through the sale of photo prints, lantern slides, transparencies, blue prints, and motion-picture films to State institutions, publishers, and individuals for use in lecture work and in connection with the preparation of publications bearing on agriculture and related subjects.

Sale of hearings, \$111.60.—These receipts are derived through the sale of hearings conducted by the department from time to time in connection with the enforcement of regulatory acts, particularly the food and drugs act and the insecticide and fungicide act. These hearings are sold to corporations, firms, and individuals desiring them at the rate of 10 cents per folio to cover the cost of preparing them.

Sale of card indexes, \$291.92.—These receipts are derived through the sale of card indexes of experiment station literature to various agricultural colleges, experiment stations, educational institutions, and libraries throughout the country.

Sale of other miscellaneous property, \$52,408.55.—This covers the sale of unserviceable property owned by the department which has been passed upon and condemned by a board of survey appointed by the Secretary of Agriculture. It also covers the proceeds derived through the sale of farm products obtained at the various experiment stations of the department, other than the insular experiment stations; animals and animal products no longer needed in the work of the department; forest maps, and maps and publications of the Weather Bureau; pathological and zoological specimens; samples of pure sugars and naval stores; microscopical specimens, etc.

Sale of products, agricultural stations, Alaska, Hawaii, Porto Rico, and Guam, \$2,775.62.—These receipts are derived through the sale of agricultural products obtained on the land belonging to the agricultural experiment stations in Alaska, Hawaii, Porto Rico, and the Island of Guam.

In the following pages the reasons for all increases in appropriations are given, and all changes in the statutory rolls are indicated.

OFFICE OF THE SECRETARY.

STATUTORY SALARIES (page 2, line 3).

The statutory roll of the office of the Secretary carries an apparent increase of \$49,990, but there is an actual increase of \$11,910, as indicated in detail in the following table:

New places:	
1 clerk, class 2.....	\$1,400
1 tinner or sheet-metal worker.....	1,100
1 fireman.....	840
2 elevator conductors, at \$720 each.....	1,440
1 plumber's helper.....	840
	<hr/> \$5,620
Transfer from extra labor roll of Secretary's office, which fund has not been correspondingly reduced:	
1 assistant in exhibits.....	2,000
Transfers from special appropriation acts, which could not be correspondingly reduced:	
1 law clerk, from Weeks forestry act.....	2,750
1 laborer or messenger boy, from Weeks forestry act.....	480
1 clerk, class 3, from Federal aid road act.....	1,600
1 clerk, from Federal aid road act.....	900
	<hr/> 5,730
	<hr/> \$13,350
Places dropped:	
2 clerks, at \$720 each (1 from this roll, and 1 transferred from statutory roll, States Relations Service).....	1,440
	<hr/>
Actual increase, excluding places transferred.....	11,910
Transfers from funds of other bureaus, which funds have been correspondingly reduced:	
1 assistant editor, from statutory roll, Division of Publications..	2,000
4 assistant editors, at \$1,800 each, from statutory roll, Division of Publications.....	7,200
1 assistant editor, from statutory roll, Division of Publications..	1,600
1 clerk, class 4, from statutory roll, Federal Horticultural Board..	1,800
1 clerk, class 3, from meat inspection, Bureau of Animal Industry..	1,600
4 clerks, class 1, 1 from marketing and distributing farm products, 1 from grain standards, and 1 from warehouse act, Bureau of Markets, and 1 from meat inspection, Bureau of Animal Industry.....	4,800
1 clerk, from statutory roll, States Relations Service.....	840
1 clerk, from statutory roll, States Relations Service.....	720
1 mechanical assistant, from statutory roll, Bureau of Markets...	1,800
1 chief elevator conductor, from warehouse act, Bureau of Markets	840
1 elevator conductor, from collecting and distributing market information, Bureau of Markets.....	720
1 carpenter, from statutory roll, Bureau of Public Roads.....	1,200

Transfers from funds of other bureaus, which funds have been correspondingly reduced—Continued.

19 watchmen, at \$720 each, 1 from statutory roll, and 2 from meat inspection, Bureau of Animal Industry; 1 from blister rust eradication, Bureau of Plant Industry; 1 from general administration, Forest Service; 2 from food and drugs, Bureau of Chemistry; 1 from general expenses, Office of Farm Management; 2 from administrative expenses, Bureau of Entomology; 1 from food habits, Bureau of Biological Survey; 1 from administrative expenses, Bureau of Crop Estimates; 2 from cotton-futures act, Bureau of Markets; 1 from road building, and 1 from administrative expenses, Bureau of Public Roads; 1 from statutory roll, with change of title from clerk, 1 from farmers' cooperative demonstrations, North and West, and 1 from farmers' cooperative demonstrations in South, States Relations Service.....	\$13, 680
1 mechanic, from food and drugs, Bureau of Chemistry.....	1, 000
1 laborer or messenger boy, from market reports on live stock, Bureau of Markets.....	480
	40, 280

Transfers to rolls of other bureaus, and the Secretary's roll correspondingly reduced:

1 clerk, class 3, to statutory roll, Federal Horticultural Board.....	\$1, 600
1 assistant messenger, messenger boy or laborer, to statutory roll, States Relations Service.....	600
	2, 200
	<u>\$38, 080</u>

Actual increase, including places transferred..... 49, 990

Change of title:

1 electrician or wireman, \$1,000, in lieu of 1 electrical wireman, \$1,000.	
1 electrician's helper, \$840, in lieu of 1 messenger or laborer, \$840.	
1 watchman, \$720, in lieu of 1 clerk, \$720, transferred from statutory roll, States Relations Service.	

OFFICE OF FARM MANAGEMENT.

STATUTORY SALARIES (page 4, line 16).

The statutory roll of the Office of Farm Management carries an apparent increase of \$15,000, but there is no actual increase, as indicated in detail in the following table:

New places:

3 clerks, at \$1,080 each.....	\$3, 240
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Places dropped:

3 clerks or map tracers, at \$720 each.....	\$2, 160
1 lantern-slide colorist.....	720
1 laborer.....	360
	3, 240

Transfers from lump fund of this office, which fund has been correspondingly reduced:

1 clerk, class 4.....	1, 800
2 clerks, class 1.....	2, 400
1 clerk.....	1, 100
1 clerk.....	1, 000
6 clerks, at \$900 each.....	5, 400
2 clerks, at \$840 each.....	1, 680
1 messenger, messenger boy or laborer.....	480
1 charwoman.....	240
1 library assistant.....	900

Apparent increase..... 15, 000

Change of title:

1 clerk or draftsman, \$1,020, in lieu of 1 clerk or photographer, \$1,020.	
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GENERAL EXPENSES.

Farm-management and farm-practice investigations (page 5, line 5).—There is an apparent decrease in this item of \$15,720, but as that amount has been transferred to the statutory roll, there is actually no change.

WEATHER BUREAU.

STATUTORY SALARIES (page 5, line 15).

The statutory roll of the Weather Bureau carries an increase of \$1,050, as indicated in detail in the following table:

Transfer from lump fund for aerological stations, which fund has been correspondingly reduced. The item for aerological stations is carried in the Army appropriation act for 1918, but is recommended for transfer to the Agricultural appropriation bill in these estimates:

1 instrument maker, from aerological stations.....	\$1,260	
Places dropped:		
5 messengers, messenger boys or laborers, at \$450 each.....	\$2,250	
4 messengers, messenger boys or laborers, at \$360 each.....	1,440	
37 messenger boys, at \$360 each.....	13,320	
	<hr/>	
	17,010	
New places:		
35 messengers, messenger boys or laborers, at \$480 each.....	16,800	
	<hr/>	
		210
Actual increase.....		1,050

Change of title:

1 instrument maker. \$1,440. in lieu of 1 chief instrument maker, \$1,440.

GENERAL EXPENSES.

Expenses in Washington (page 8, line 12).—The word "volcanology" has been inserted in this paragraph in order to provide for any incidental expenses in the city of Washington which may be necessary in connection with the investigations relating to volcanology for which provision has been made in the item for "expenses outside of Washington."

Expenses outside of Washington (page 9, line 1).—There is an apparent increase in this item of \$11,000. Provision has been made under this item for the maintenance of the Weather Bureau station at Greenville, S. C., for which a separate item of \$6,500 was included in the present agricultural appropriation act, and \$9,500 has been added to this item and \$500 to the item for official traveling expenses (page 9, line 9) to enable the department to undertake investigations in volcanology. There is therefore an actual increase in the item for expenses outside of Washington of \$4,500. Investigations in volcanology properly come within the scope of the functions of the Weather Bureau. The subject is closely allied to its present lines of work, and it is in a better position to make the investigations at a smaller cost than any other branch of the Government. Furthermore, it is the practice of many foreign governments, where earthquake studies are undertaken, to have their investiga-

tions in seismology and volcanology done in connection with their meteorological services. The utilitarian value of studying the volcanoes so as to be able to forecast eruptions, as many scientists believe can be done, is enormous in view of the great losses to life and property which have resulted from eruptions of volcanoes. It is contemplated that the investigations of the Weather Bureau will be confined at the beginning to the volcanic region of Hawaii, with possibly some slight extension in California. Assurances have been received that, if the Government undertakes the work, all the facilities of the Hawaiian Research Association which has been investigating Hawaiian volcanoes in a more or less ineffective way because of lack of funds, will be placed at the disposal of the Weather Bureau. The committee gave very thorough consideration to this matter and, recognizing its importance, decided to provide \$10,000 for conducting investigations along this line.

Official traveling expenses (page 9, line 9).—There is an increase in this item of \$500 to provide for additional traveling expenses in connection with volcanology work.

Establishment and maintenance of aerological stations (page 9, line 10). An item of \$100,000 for this purpose was included in the Army appropriation act for 1918, but, as the work is performed under the direction of the Secretary of Agriculture, it has been decided to transfer the item to the agricultural appropriation act. It is not contemplated that any provision will be made for the work in the Army bill. The apparent decrease in the item of \$1,260 is due to the transfer of that amount to the statutory roll.

Repairs to telegraph and cable lines (page 9, line 15).—This is a new item. It provides \$25,000 to enable the Weather Bureau to purchase cable and other material for use in making needed repairs from time to time to its seacoast telegraph and cable lines. These lines are used for the transmission of important meteorological observations, vessel reports, marine intelligence, etc. The Weather Bureau is cooperating closely with the Naval Coast Patrol and Coast Guard Service, and it is highly important to these agencies that the lines be kept in good working order at all times.

BUREAU OF ANIMAL INDUSTRY.

STATUTORY SALARIES (page 9, line 20).

The statutory roll of the Bureau of Animal Industry carries an apparent increase of \$39,340, but an actual decrease of \$46,560, as indicated in detail in the following table:

Places dropped:	
50 clerks, at \$900 each.....	\$45,000
2 laborers, at \$300 each.....	600
1 laborer.....	240
	<hr/> \$45,840
Transfer to statutory roll, Secretary's office:	
1 watchman.....	720
	<hr/>
Actual decrease.....	46,560

Transfers from lump funds of this bureau, which funds have been correspondingly reduced:

2 clerks, class 2, 1 from inspection and quarantine and 1 from control of viruses.....	\$2, 800
1 clerk, from inspection and quarantine.....	1, 260
14 clerks, class 1, 2 from inspection and quarantine, 7 from eradicating cattle ticks, 6 from dairy industry, 11 from animal husbandry, 1 from poultry feeding and breeding, 3 from hog cholera, 3 from control of viruses, 1 from dourine eradication, and 10 from meat inspection.....	52, 800
10 clerks, at \$1,020 each, 2 from inspection and quarantine, 1 from eradicating cattle ticks, 2 from dairy industry, 1 from animal husbandry, and 4 from meat inspection.....	10, 200
6 clerks, at \$1,000 each, 1 from inspection and quarantine, 1 from eradicating cattle ticks, 2 from dairy industry, and 2 from meat inspection.....	6, 000
1 skilled laborer, from inspection and quarantine.....	900
5 messengers, skilled laborers or laborers, at \$720 each, 3 from inspection and quarantine, 1 from eradicating cattle ticks, and 1 from dairy industry.....	3, 600
2 laborers, at \$500 each, 1 from abortion of animals and 1 from meat inspection.....	1, 200
6 laborers, at \$540 each, 3 from dairy industry, 1 from animal husbandry, and 2 from poultry feeding and breeding.....	3, 240
7 messenger boys, at \$480 each, 2 from dairy industry, 3 from diseases of animals, and 2 from meat inspection.....	3, 360
1 charwoman, from meat inspection.....	540
	<hr/> \$85, 900
Apparent increase.....	39, 340

GENERAL EXPENSES.

Inspection and quarantine (page 13, line 1).—There is a decrease in this item of \$124,618, which represents the amount expended or to be expended under this paragraph during the fiscal year 1918 for work relating to tuberculosis of animals. This reduction has been made in view of the addition of a new paragraph making provision for such work (page 13, line 12).

The language of the item for inspection and quarantine has been amended by striking out that part pertaining to the tuberculin testing of animals.

Tuberculosis of animals (page 13, line 12).—This is a new item and carries an appropriation of \$250,000. Of this amount, \$124,618 is transferred from the item for inspection and quarantine and \$8,000 from the item for diseases of animals. The increase in the amount available for work relating to tuberculosis, therefore, is \$117,382. On account of the growing importance of the work, the committee felt that it should be segregated and carried in the bill as a separate item.

The Department of Agriculture recently undertook a systematic campaign looking to the eradication or control of tuberculosis of animals in the United States. It is expending approximately \$132,618 for this work during the current fiscal year. It is highly important, of course, that vigorous efforts be made to reduce the enormous losses resulting from this disease, which have been conservatively estimated at \$25,000,000 annually. The interest of live-stock owners generally in efforts to control it is constantly increasing. Evidence of this interest has come to members of the committee from many directions. The estimates of the department recommended that the amount available for work along this line be increased by \$66,430. The committee, however, held special hear-

ings on the subject and decided to increase the amount so as to make possible a more vigorous attack on the problem. The Secretary of Agriculture advised the committee that, in his opinion, the department could effectively use \$250,000 during the next fiscal year in the prosecution of the work.

Tick eradication (page 13, line 20).—There is an apparent decrease in this item of \$11,140, but as that amount has been transferred to the statutory roll there is actually no change.

The words "in areas freed of ticks" have been omitted in order to remove a restriction which at present confines the live-stock and dairy demonstration work to areas north of the quarantine line.

Dairy industry (page 14, line 9).—There is an apparent decrease in this item of \$14,540, but as that amount has been transferred to the statutory roll there is actually no change.

Animal husbandry (page 14, line 13).—There is an apparent increase in this item of \$31,100, but as \$17,040 has been transferred to the statutory roll, and the item of \$15,000, included in the present agricultural appropriation act, for the purchase of lands adjacent to the Morgan horse farm, Middlebury, Vt., has been omitted, there is an actual increase in the funds available for work under this item of \$63,140. This sum will be used as follows:

(1) To provide for the continuation of the military horse breeding work on its present basis, \$15,000. This sum is needed to meet the increased cost of feed, labor, and other items of expense.

(2) For the extension of the poultry club work, \$17,940.

(3) For the extension of the pig club work, \$10,600.

(4) For the extension of the farm sheep investigations, \$5,600.

(5) For the extension of the farm sheep demonstrations, \$14,000.

The amount carried in the proviso for the equipment of the United States Sheep Experiment Station in Fremont County, Idaho, has been changed from \$12,280 to \$8,000.

Diseases of animals (page 15, line 8).—There is an apparent decrease in this item of \$10,040, but as \$2,040 has been transferred to the statutory roll, there is an actual decrease of \$8,000, which represents the amount expended or to be expended under this paragraph during the fiscal year 1918 for work relating to tuberculosis of animals. This reduction has been made because of the addition of a new paragraph making provision for such work (page 13, line 12).

Construction of buildings at Beltsville and Bethesda, Md.—The present appropriation act carries an item of \$23,600 for the construction of buildings at the experiment stations of the Bureau of Animal Industry located at Bethesda and Beltsville, Md. No estimate was submitted by the department for this purpose during the fiscal year 1919. It was stated by the department that, while there is considerable construction work still to be done at these places, it could be deferred for one year without seriously interfering with the investigations under way.

Hog cholera (page 15, line 18).—There is an apparent increase in this item of \$33,800, but as \$8,600 has been transferred to the statutory roll, there is an actual increase of \$42,400. This sum will be used to extend to additional States the field work of the department looking to the eradication or control of hog cholera.

Dourine (page 16, line 9).—There is an apparent decrease in this item of \$1,200, but as that amount has been transferred to the statutory roll, there is actually no change.

MEAT INSPECTION (page 16, line 17).

There is an apparent decrease in this item of \$24,420, but as that amount has been transferred to statutory rolls, there is actually no change.

BUREAU OF PLANT INDUSTRY.

STATUTORY SALARIES (page 17, line 2).

The statutory roll of the Bureau of Plant Industry carries an apparent increase of \$20,640, but an actual decrease of \$3,960, as indicated in detail in the following table:

Places dropped:			
9 clerks, at \$340 each.....	\$7, 560		
1 clerk.....	720		
1 messenger boy.....	360		
5 messenger boys, at \$300 each.....	1, 500		
		\$10, 140	
New places:			
7 clerks, class 1.....	8, 400		
3 laborers, messengers, or messenger boys, at \$480 each..	1, 440		
		9, 840	
			\$300
Transfers to statutory roll, Bureau of Markets:			
3 clerks, at \$900 each.....	2, 700		
1 laboratory aid.....	960		
			3, 660
Actual decrease.....			3, 960
Transfers from lump funds of this bureau, which funds have been correspondingly reduced:			
1 clerk, class 4, from western irrigation agriculture.....	1, 800		
1 clerk, class 3, from foreign seed and plant introduction.....	1, 600		
2 clerks, class 2, 1 from purchase and distribution of valuable seeds and 1 from demonstrations on reclamation projects.....	2, 800		
5 clerks, class 1, 1 from forest pathology, 1 from pomological investigations, 2 from blister rust eradication, and 1 from horticultural investigations.....	6, 000		
4 clerks, at \$1,000 each, 2 from blister rust eradication, 1 from sugar plant investigations, and 1 from horticultural investigations.....	4, 000		
3 clerks, at \$900 each, 2 from blister rust eradication and 1 from sugar plant investigations.....	2, 700		
2 messengers, messenger boys or laborers, at \$600 each, 1 from forest pathology and 1 from crop physiology.....	1, 200		
1 laboratory aid, clerk or skilled laborer, from seed testing laboratory.....	1, 020		
3 laborers, messengers, or messenger boys, at \$480 each, 1 from pathological laboratory, 1 from forest pathology, and 1 from blister rust eradication.....	1, 440		
1 laborer or charwoman, from fruit diseases.....	480		
2 laborers or messenger boys, at \$420 each, from pomological investigations.....	840		
2 messenger boys, at \$360 each, 1 from blister rust eradication and 1 from pomological investigations.....	720		
		24, 600	
Apparent increase.....			20, 640
Change of title:			
1 assistant to the chief, \$3,000, in lieu of 1 chief clerk, \$3,000.			
1 executive clerk, \$2,000, in lieu of 1 superintendent of seed weighing and mailing, \$2,000.			

GENERAL EXPENSES.

Investigations in plant pathology (page 19, line 11).—There is an apparent decrease in this item of \$480, but, as that amount has been transferred to the statutory roll, there is actually no change.

Fruit-disease investigations (page 19, line 14).—There is an apparent decrease in this item of \$480, but, as that amount has been transferred to the statutory roll, there is actually no change.

Citrus canker (page 19, line 17).—There is an apparent decrease in this item of \$180,000. The agricultural appropriation act for the fiscal year 1918 provides \$430,000 for eradicating citrus canker. Of this amount \$180,000 was made immediately available upon the passage of the act on March 4, 1917, for expenditure during the fiscal year 1917. There is actually no change, therefore, in the amount provided for the fiscal year 1919.

Forest pathology (page 20, line 10).—There is an apparent decrease in this item of \$2,280, but, as that amount has been transferred to the statutory roll, there is actually no change.

White-pine blister rust (page 20, line 17).—There is an apparent decrease in this item of \$69,552, but, as \$7,760 has been transferred to statutory rolls, there is an actual decrease of \$61,792. The appropriation act for 1918 provides \$300,000 for the eradication of the white-pine blister rust. Of this amount \$150,000 was made immediately available upon the passage of the act March 4, 1917, for expenditure during the fiscal year 1917. At the close of that year, however, the expenditures aggregated only \$45,792, leaving a balance of \$254,208 available for the work during the fiscal year 1918. Taking into consideration the amount transferred to statutory rolls, \$7,760, there is an actual decrease of \$16,000 in the amount provided for the fiscal year 1919.

Crop physiology (page 2, line 10).—There is an apparent decrease in this item of \$600, but as that amount has been transferred to the statutory roll, there is actually no change.

Crop acclimatization and fiber plant investigations (page 21, line 24).—There is an increase in this item of \$3,000. This sum will be used for experiments in the production of New Zealand flax in this country and its utilization in the manufacture of binder twine. A proviso authorizing this work has been added to the paragraph.

The United States is now dependent upon foreign sources for materials used in the manufacture of binder twine. The committee believes, therefore, that every effort should be made to develop the production of such materials in this country. It has been reported to the committee that it is possible to produce New Zealand flax in the United States and to utilize it in the manufacture of binder twine. The committee, after carefully considering the matter, provided an appropriation of \$3,000 in order that the Department of Agriculture may conduct experiments along this line.

Seed testing (page 22, line 19).—There is an apparent increase in this item of \$1,980, but as \$1,020 has been transferred to the statutory roll, there is an actual increase of \$3,000. This sum will be used for enlarging the facilities of the department for testing seeds offered for sale to farmers.

Cereal investigations (page 23, line 6).—There is an increase in this item of \$55,000. Of this amount \$30,000 will be used for enlarging the work relating to diseases of wheat, oats, and barley, known

as black rust and stripe rust, and \$25,000 for investigation of corn root and stalk diseases, including the inauguration of such control measures as may be found necessary. A proviso specifically authorizing the latter work has been added to the paragraph.

The losses to farmers from these diseases are enormous. In the present emergency, when every effort is being made to increase the production of foodstuffs and feedstuffs, it is highly essential that effective steps be taken to control them. The committee, therefore, believes that the department's activities in this direction should be enlarged during the coming year, and has increased the funds available for the work.

Sugar-plant investigations (page 24, line 3).—There is an apparent increase in this item of \$8,100, but as \$1,900 has been transferred to the statutory roll, there is an actual increase of \$10,000. This sum will be used for extending the cooperative work of the department looking to the production of sugar-beet seed in this country.

Western irrigation agriculture (page 25, line 7).—There is an apparent decrease in this item of \$1,800, but as that amount has been transferred to the statutory roll, there is actually no change.

Pomological investigations (page 25, line 11).—There is an apparent decrease in this item of \$21,920, but as \$2,400 has been transferred to the statutory roll of the Bureau of Plant Industry, and \$21,520 has been transferred to the Bureau of Markets, there is an actual increase of \$2,000 in the amount available for the remaining work under this item. This sum will be used for enlarging the investigational work upon the life of fruits in storage.

It is proposed to transfer to the Bureau of Markets the distinctly marketing features of the investigations under this paragraph and to provide for the continuance and extension in the Bureau of Plant Industry, in cooperation with the Bureau of Markets, of investigations of fruits subsequent to their harvesting, such as ripening and maturity studies, which are primarily within the field of production but which require that the product be followed through certain processes and into storage. The language of the paragraph has been amended accordingly.

Horticultural investigations (page 26, line 3).—There is an apparent decrease in this item of \$2,200, but as that amount has been transferred to the statutory roll there is actually no change.

It is proposed to transfer to the Bureau of Markets the distinctly marketing features of the horticultural work and to provide for the continuation and extension in the Bureau of Plant Industry of such investigations of truck and related crops subsequent to their harvesting as are primarily within the field of production, but require that the product be followed through certain processes of marketing and into commercial storage. The language of the paragraph has been amended accordingly. This transfer involves no change in the appropriation either for the Bureau of Plant Industry or the Bureau of Markets.

Foreign seed and plant introduction (page 26, line 17).—There is an apparent decrease in this item of \$1,600, but as that amount has been transferred to the statutory roll there is actually no change.

Purchase of land at Chico, Cal.—The present appropriation act contains an item of \$35,000 for the purchase, preparation, and irrigation of not to exceed 150 acres of land at Chico, Cal. As the object for which the appropriation was made will be accomplished during the fiscal year 1918, this item has been omitted.

PURCHASE AND DISTRIBUTION OF VALUABLE SEEDS (page 27, line 14).

There is an apparent decrease in this item of \$1,400, but as that amount has been transferred to the statutory roll there is actually no change.

FOREST SERVICE.

STATUTORY SALARIES (page 30, line 6).

There is an apparent increase in the statutory roll of \$35,820, but no actual increase, as indicated in detail in the following table:

Transfers from lump funds of the Forest Service, which funds have been correspondingly reduced:

1 forest supervisor, from national forests.....	\$2,000
1 forest ranger, from national forests.....	1,500
1 forest ranger, from national forests.....	1,400
1 forest ranger, from land classification.....	1,200
1 clerk, from survey of lands.....	1,400
2 clerks, at \$1,200 each, from national forests.....	2,400
1 clerk, from forest products.....	1,020
5 clerks, at \$900 each; 4 from national forests and 1 from miscellaneous forest investigations.....	4,500
1 clerk, from forest products.....	600
1 draftsman or surveyor, from land classification.....	1,600
3 draftsmen or surveyors, at \$1,500 each; 2 from survey of lands and 1 from land classification.....	4,500
4 draftsmen or surveyors, at \$1,400 each; 2 from land classification and 2 from survey of lands.....	5,600
3 draftsmen, at \$1,200 each; 2 from survey of lands and 1 from land classification.....	3,600
1 blue printer, from general administration.....	900
2 telephone operators, at \$600 each, from general administration.....	1,200
1 messenger or laborer, from miscellaneous forest investigations.....	960
1 messenger or laborer, from forest products.....	720
2 messengers or messenger boys, at \$360 each, from general administration.....	720

Apparent increase..... 35,820

Change of title:

- 20 forest rangers, at \$1,100 each (full time), changed to 20 forest guards, at \$1,100 each (half time), and 40 forest guards, at \$1,100 each (one-fourth time).
- 1 lithographer or photographer, \$1,200, in lieu of 1 lithographer, \$1,200.

GENERAL EXPENSES.

National forests and general administration (page 34, line 8).—There is an apparent decrease in the items for the individual forests and for general administrative expenses in connection therewith of \$14,440, but, taking into consideration transfers to statutory rolls and adjustments in the appropriations for the individual forests, increases being made in some cases and decreases in others, there is actually no change.

In the item for the Nebraska National Forest, the present appropriation act contains a proviso authorizing the Secretary of Agriculture to acquire lands for use as nursery sites in connection with the forest, and makes an appropriation of \$1,200 for the purchase of land now under lease and used as a nursery site for the Niobrara division. This language has been omitted and the appropriation for the forest has been reduced by \$1,200, as the object of the legislation will be accomplished during the current fiscal year.

Classification of lands for homesteads (page 42, line 3).—There is an apparent decrease in this item of \$8,300, but, as that amount has been transferred to the statutory roll, there is actually no

change. The language has been amended so as specifically to authorize the examination and appraisal of lands in effecting exchanges provided for by law.

Entry surveys (page 42, line 9).—There is an apparent decrease in this item of \$19,600, but as \$9,600 has been transferred to the statutory roll, there is an actual decrease of \$10,000. The department believes that some of the field work under this paragraph can be postponed and several field parties discontinued during the period of the war, and, therefore, recommended in its estimates that a reduction of \$10,000 be made in the appropriation.

Forest products (page 43, line 8).—There is an apparent increase in this item of \$17,660, but, as \$2,340 has been transferred to the statutory roll, there is an actual increase of \$20,000. This sum will be used for conducting special investigations of war problems relating to the utilization of forest products, one of the most important of which is the determination of woods most suitable for aircraft construction.

Tree planting on national forests (page 43, line 22).—There is a decrease in this item of \$20,000. The department believes that a portion of the work conducted under this item can be suspended during the present emergency without seriously interfering with the essential productive and revenue producing activities of the national forests. It therefore recommended in its estimates that the appropriation be reduced by \$20,000.

Reconnaissance of forest resources (page 44, line 6).—There is an increase in this item of \$30,000, which will be used as follows:

1. For additional timber survey and appraisal work, \$20,000.
2. For additional range reconnaissance, \$10,000.

Miscellaneous forest investigations (page 44, line 10).—There is an apparent decrease in this item of \$1,860, but as that amount has been transferred to the statutory roll, there is actually no change.

Mileage rate for motor vehicles (page 45, line 12).—This is a new item. It authorizes the Secretary of Agriculture, in the interest of economy and under such regulations as he may prescribe, to pay not to exceed 2 cents per mile for a motorcycle and 6 cents per mile for an automobile, when used for necessary travel on official business in the Forest Service.

Weeks law administrative expenses (page 45, line 18).—There is a decrease of \$3,230 in the amount authorized to be used for administrative expenses in Washington. This reduction is due to the transfer of two employees to the statutory roll of the Office of the Secretary.

Utilization of mineral resources of lands acquired under the Weeks law.—The Agricultural appropriation act for the current fiscal year contains the following provision:

The Secretary of Agriculture is authorized, under general regulations to be prescribed by him, to permit the prospecting, development, and utilization of the mineral resources of the land acquired under the act of March first, nineteen hundred and eleven (Thirty-sixth Statutes, page nine hundred and sixty-one), known as the Weeks law, upon such terms and for specified periods or otherwise, as he may deem to be for the best interests of the United States; and all moneys received on account of charges, if any, made under the act, shall be disposed of as is provided by existing law for the disposition of receipts from national forests.

This item has been omitted from the bill for 1919 as it is permanent legislation.

BUREAU OF CHEMISTRY.

STATUTORY SALARIES (page 46, line 9).

There is an apparent increase in the statutory roll of \$30,920, but an actual decrease of \$4,760, as indicated in detail in the following table:

Places dropped:	
22 clerks, at \$900 each.....	\$19, 800
1 clerk.....	840
1 clerk.....	720
3 food and drug inspectors, at \$1,400 each.....	4, 200
	<hr/> \$25, 560
New places:	
2 clerks, class 4.....	3, 600
2 clerks, class 3.....	3, 200
2 clerks, class 2.....	2, 800
6 clerks, class 1.....	7, 200
2 food and drug inspectors, at \$2,000 each.....	4, 000
	<hr/> 20, 800
Actual decrease.....	4, 760
Transfers from lump funds of this bureau, which funds have been correspondingly reduced:	
1 clerk, from food and drugs act.....	1, 440
3 clerks, class 2, from food and drugs act.....	4, 200
18 clerks, class 1, from food and drugs act.....	21, 600
2 clerks, at \$1,000 each, from food and drugs act.....	2, 000
1 laboratory helper, from food and drugs act.....	840
1 laboratory helper, from food and drugs act.....	720
1 sampler, from food and drugs act.....	1, 200
1 mechanic, from color investigations.....	1, 800
1 mechanic, from color investigations.....	1, 400
1 messenger boy or laborer, from color investigations.....	480
	<hr/> 35, 680
Apparent increase.....	30, 920

GENERAL EXPENSES.

Color investigations (page 49, line 19).—There is an apparent increase in this item of \$21,320, but as \$3,680 has been transferred to the statutory roll, there is an actual increase of \$25,000. This sum will be used for the employment of additional assistance and for the completion and operation of the experimental plant at Arlington Farm, at which new processes for the manufacture of dyes developed by the Bureau of Chemistry can be tested on a commercial scale.

Enforcement of the food and drugs act (page 50, line 3).—There is an apparent decrease in this item of \$34,440, but as that amount has been transferred to statutory rolls there is actually no change.

Insecticide and fungicide investigations (page 51, line 1).—This is a new item. It provides \$25,000 to enable the Bureau of Chemistry to undertake chemical investigations looking to the development of new, better, and cheaper insecticides and fungicides.

BUREAU OF SOILS.

STATUTORY SALARIES (page 51, line 8).

There is an apparent increase in the statutory roll of \$1,940, but an actual decrease of \$100, as indicated in detail in the following table:

Transfers from lump fund of this bureau, which fund has been correspondingly reduced:	
1 machinist, from investigation of fertilizer resources.....	\$1,440
1 laborer, from investigation of fertilizer resources.....	600
	<hr/> \$2,040
Places dropped:	
5 clerks, at \$900 each.....	4,500
New places:	
2 clerks, class 1.....	\$2,400
2 clerks, at \$1,000 each.....	2,000
	<hr/> 4,400
Actual decrease.....	100
Apparent increase.....	<hr/> 1,940

GENERAL EXPENSES.

Investigations of fertilizer resources (page 52, line 20).—There is an apparent decrease in this item of \$2,040, but as that amount has been transferred to the statutory roll, there is actually no change.

Potash investigations and demonstrations (page 53, line 7).—This is a new item. The agricultural appropriation act for the fiscal year 1917, however, contained an item of \$175,000 for the establishment and equipment of a plant on the Pacific coast to determine the feasibility of obtaining potash from kelp on a commercial scale. As the plant was not completed before the end of the fiscal year 1917, a provision was included in the appropriation act for 1918 making available the unexpended balance of the appropriation for expenditure during the current fiscal year. This unexpended balance, amounting to approximately \$150,000, is sufficient to complete the plant and to provide for its operation until June 30, 1918. The new item here provided carries an appropriation of \$127,600 for the operation of the plant during the fiscal year 1919.

BUREAU OF ENTOMOLOGY.

STATUTORY SALARIES (page 53, line 19).

There is an apparent increase in the statutory roll of \$13,150, but there is actually no change, as indicated in detail in the following table:

New places:	
1 clerk, class 3.....	\$1,600
1 clerk, class 2.....	1,400
2 clerks, class 1.....	2,400
5 messenger boys, at \$480 each.....	2,400
	<hr/> 7,800

Places dropped:

3 clerks, at \$1,000 each.....	\$3, 000
4 clerks, at \$840 each.....	3, 360
4 messenger boys, at \$360 each.....	1, 440
	<hr/> 7, 800

Transfers from lump funds of this bureau, which funds have been correspondingly reduced:

1 editor, from miscellaneous insects.....	2, 250
1 clerk, class 4, from miscellaneous insects.....	1, 800
1 clerk, class 3, from truck crop insects.....	1, 600
1 clerk, class 2, from truck crop insects.....	1, 400
3 clerks, class 1, 1 from cereal and forage insects, 1 from Mediterranean fruit fly, and 1 from administrative expenses.....	3, 600
1 clerk, from preventing spread of moths.....	1, 000
1 clerk, from forest insects.....	900
1 gardener, from tropical and subtropical fruit insects.....	600
	<hr/>

Apparent increase..... 13, 150

Change of title:

1 clerk, \$840, in lieu of 1 messenger or laborer, \$840.

GENERAL EXPENSES.

Cereal and forage insect investigations (page 55, line 8).—There is an apparent decrease in this item of \$1,200, but as that amount has been transferred to the statutory roll there is actually no change.

Forest insect investigations (page 55, line 15).—There is an apparent decrease in this item of \$900, but as that amount has been transferred to the statutory roll there is actually no change.

Truck-crop and stored-products insect investigations (page 55, line 16).—There is an apparent increase in this item of \$20,000, but as \$3,000 has been transferred to the statutory roll, there is an actual increase of \$23,000. This sum will be used for extending the investigations relating to insects affecting stored products in granaries, mills, warehouses, households, and the like, and the development of methods of controlling such insects.

Bee-culture investigations and demonstrations (page 55, line 20).—There is an increase in this item of \$15,000, which will be used to enlarge the beekeeping demonstration work.

Tropical and subtropical fruit insect investigations (page 55, line 22).—There is an apparent decrease in this item of \$600, but as that amount has been transferred to the statutory roll, there is actually no change.

Investigation and control of Mediterranean and other fruit flies (page 56, line 1).—There is an apparent decrease in this item of \$1,200, but as that amount has been transferred to the statutory roll, there is actually no change.

Miscellaneous insect investigations (page 56, line 4).—There is an apparent decrease in this item of \$4,050, but, as that amount has been transferred to the statutory roll, there is actually no change.

Administrative expenses (page 56, line 9).—There is an apparent increase in this item of \$6,000, but as \$2,640 has been transferred to the statutory roll, there is an actual increase of \$8,640. This sum will be used as follows:

1. For systematizing the extension work in insect control, carried on in cooperation with the States Relations Service, \$6,000.

2. To provide for increased administrative expenses incident to the enlarged activities of the bureau, \$2,640.

PREVENTING SPREAD OF MOTHS (page 56, line 13).

There is an apparent decrease in this item of \$1,000, but, as that amount has been transferred to the statutory roll there is actually no change. In view of the passage by Congress of the compensation act of September 6, 1916, the language authorizing payment for medical supplies and service and other assistance necessary for the immediate relief of employees while engaged in hazardous work under this item has been omitted.

BUREAU OF BIOLOGICAL SURVEY.

STATUTORY SALARIES (page 57, line 12).

There is an apparent increase in the statutory roll of \$1,800, but as this amount represents the transfer of one executive assistant from the lump fund, which has been correspondingly reduced, there is actually no change.

GENERAL EXPENSES.

Food habits of birds and mammals (page 59, line 7).—There is an apparent decrease in this item of \$720, but as that amount has been transferred to a statutory roll, there is actually no change.

Administrative expenses (page 60, line 12).—There is an apparent decrease in this item of \$1,800, but as that amount has been transferred to the statutory roll there is actually no change.

DIVISION OF PUBLICATIONS.

STATUTORY SALARIES (page 61, line 6).

There is an apparent decrease in the statutory roll of \$3,000, but as \$10,800 has been transferred to the statutory roll of the Secretary's office there is an actual increase of \$7,800, as indicated in detail in the following table:

New places:

2 draftsmen or photographers, at \$1,200 each.....	2,400
1 laboratory aid.....	720
3 clerks, at \$840 each.....	2,520
3 laborers, messengers, or messenger boys, at \$720 each.....	2,160

Actual increase..... \$7,800

Transfers to statutory roll, Secretary's office:

1 assistant editor.....	\$2,000
4 assistant editors, at \$1,800 each.....	7,200
1 assistant editor.....	1,600

10,800

Change of title:

1 chief of division, \$3,500, in lieu of 1 editor, who shall be chief of division, \$3,500.	
1 assistant chief of division, \$2,500, in lieu of 1 editor, who shall be assistant chief of division, \$2,500.	
1 assistant in charge of indexing, \$2,000, in lieu of 1 assistant editor in charge of indexing, \$2,000.	
1 assistant, \$2,000, in lieu of 1 assistant editor, \$2,000.	
1 assistant, \$1,400, in lieu of 1 assistant editor, \$1,400.	

GENERAL EXPENSES.

Stationery and materials (page 62, line 17).—There is an increase in this item of \$1,000 to provide for the purchase of paper, envelopes, and other materials needed in connection with the work of duplicating and mailing informational circulars.

Communication and transportation service (page 63, line 4).—There is an increase in this item of \$250 to cover necessary telephone, telegraph, freight, and express charges.

Vehicles (page 63, line 6).—The language of the paragraph has been amended to include motor trucks as well as wagons, bicycles, horses, and harness.

Extra labor and emergency employments (page 63, line 11).—This is a new item. It provides \$2,500 for the employment of extra labor in cases of emergency, such as arise at certain periods during the year when the demand for bulletins is very great.

BUREAU OF CROP ESTIMATES.

STATUTORY SALARIES (page 63, line 16).

There is an apparent increase in the statutory roll of \$7,560, but an actual increase of \$6,000, as indicated in detail in the following table:

New places:		
5 clerks, class 1.....	\$6,000	
Actual increase.....		\$6,000
Transfers from lump fund of this bureau, which fund has been correspondingly reduced:		
1 messenger from administrative expenses.....	840	
1 messenger or laborer from administrative expenses.....	720	
		1,560
Apparent increase.....		7,560

GENERAL EXPENSES.

Administrative expenses (page 64, line 9).—There is an apparent decrease in this item of \$470, but as \$2,280 has been transferred to statutory rolls and \$690 to the item for field investigations there is an actual increase of \$2,500. This sum will be used for the employment of additional assistance and for the purchase of miscellaneous office supplies and equipment.

Field investigations (page 64, line 13).—There is an apparent increase in this item of \$15,690, but as \$690 has been transferred from the item for administrative expenses, which has been correspondingly reduced, there is an actual increase of \$15,000. This sum will be used as follows:

(1) For additional traveling expenses of nine crop specialists now in the service, \$2,700.

(2) For increased travel of chief of field service, and for inspection trips by representatives of the administrative office, \$1,500.

(3) For cablegram service from the International Institute of Agriculture at Rome, \$600.

(4) For telegraphic expenses of nine truck and fruit crop specialists, \$600.

(5) For additional stationery, \$7,500.

(6) For miscellaneous office equipment, miscellaneous travel, renewal of old equipment, and the like, in the field service, \$2,100.

MISCELLANEOUS EXPENSES.

Miscellaneous expenses, Department of Agriculture (page 65, line 13).—There is an increase in this item of \$5,000, which is made immediately available in order to meet the advance in the price of coal needed for the operation of the department's heating and power plant. This plant consumes approximately 7,500 tons annually.

RENT IN THE DISTRICT OF COLUMBIA.

Rent of buildings (page 66, line 6).—There is an increase in this item of \$15,000, which will be used to provide additional space made necessary by the enlarged activities of the department.

STATES RELATIONS SERVICE.

STATUTORY SALARIES (page 66, line 11).

There is an apparent increase in the statutory roll of \$45,900, but an actual decrease of \$1,840, as indicated in detail in the following table:

Places dropped:

4 clerks, at \$840 each.....	\$3,360	
Transfers to statutory roll, Secretary's office:		
1 clerk.....	\$840	
2 clerks, at \$720 each.....	1,440	
		2,280
		<hr/> \$5,640

New places:

2 clerks, class 3.....	3,200	
Transfer from statutory roll, Secretary's office:		
1 messenger, messenger boy or laborer.....	600	
		<hr/> 3,800

Actual decrease.....		1,840
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Transfers from lump funds of this service, which funds have been correspondingly reduced:

1 clerk, class 4, from farmers' cooperative demonstrations in North and West.....	1,800
3 clerks, class 3, 1 from colleges and stations and 2 from farmers' cooperative demonstrations in North and West.....	4,800
1 clerk, from farmers' cooperative demonstrations in North and West.....	1,500
2 clerks, class 2, 1 from farmers' cooperative demonstrations in North and West and 1 from farmers' cooperative demonstrations in South.....	2,800
1 clerk, from farmers' cooperative demonstrations in North and West.....	1,260
9 clerks, class 1, 2 from farmers' cooperative demonstrations in North and West, 1 from farmers' cooperative demonstrations in South, 2 from home economics, and 4 from general administrative expenses.....	10,800
1 clerk, from farmers' cooperative demonstrations in North and West.....	1,100
16 clerks, at \$1,000 each, 2 from colleges and stations, 7 from farmers' cooperative demonstrations in North and West, 4 from farmers' cooperative demonstrations in South, 2 from home economics, and 1 from general administrative expenses.....	16,000

Transfers from lump funds of this service, which funds have been correspondingly reduced—Continued.

3 clerks, at \$900 each, 1 from colleges and stations, 1 from farmers' cooperative demonstrations in North and West, and 1 from farmers' cooperative demonstrations in South.....	\$2, 700
1 clerk or lantern-slide colorist, from general administrative expenses.....	900
1 messenger, messenger boy or laborer, from farmers' cooperative demonstrations in South.....	720
6 messengers, messenger boys or laborers, at \$480 each, 4 from farmers' cooperative demonstrations in North and West, 1 from farmers' cooperative demonstrations in South, and 1 from home economics.....	2, 880
2 laborers or charwomen, at \$240 each, 1 from colleges and stations and 1 from farmers' cooperative demonstrations in North and West.....	480
	<hr/> \$47, 740
Apparent increase.....	45, 900
Change of title:	
1 clerk, \$900, in lieu of 1 library cataloguer, \$900.	

GENERAL EXPENSES.

Administration of Hatch, Adams, and agricultural extension acts (page 67, line 20).—There is apparently no change in this item, but as \$4,740 has been transferred to statutory rolls, there is an actual increase of that amount. This sum will be used in connection with the administration of the agricultural extension act. Under the terms of the act the amount available for extension activities increases from year to year, and there is a corresponding increase in the administrative work connected therewith. The language of the paragraph has been amended to include the experiment station on the Virgin Islands, for which provision is made in the item for "Insular experiment stations."

Farmers' cooperative demonstrations outside of the cotton belt (page 68, line 18).—There is an apparent decrease in this item of \$23,440, but as that amount has been transferred to statutory rolls there is actually no change.

Farmers' cooperative demonstrations in the South (page 68, line 22).—There is an apparent decrease in this item of \$9,420, but as that amount has been transferred to statutory rolls there is actually no change.

Insular experiment stations (page 69, line 20).—There is an increase in this item of \$35,000. This sum will be used as follows:

(1) For equipping and maintaining the experiment station at Matanuska, Alaska, for remodeling the cattle barns at the station on the Kodiak Islands, and for the employment of an extension agent in Alaska, \$5,000.

(2) For the further development of the extension work in Hawaii and for undertaking studies in connection with coffee and banana diseases and their control, \$5,000.

(3) For investigations relating to rice production and citrus-seab control in Porto Rico, \$5,000.

(4) For investigations relating to plant diseases and insect pests and for the development of extension work in Guam, \$5,000.

(5) For the continuation and further development of the work at the agricultural experiment station which has been maintained on

the Island of St. Croix in the Virgin Islands of the United States for the past eight years by the Danish Government, \$15,000.

New language has been added so as specifically to authorize the maintenance of the station in the Virgin Islands.

Home-economics investigations (page 70, line 10).—There is an apparent decrease in this item of \$4,880, but as that amount has been transferred to the statutory roll, there is actually no change.

Administrative expenses (page 70, line 19).—There is apparently no change in this item, but as \$6,700 has been transferred to the statutory roll, there is an actual increase of that amount. This sum will provide for increased administrative expenses incident to the enlarged activities of the States Relations Service.

BUREAU OF PUBLIC ROADS.

The name of the Office of Public Roads and Rural Engineering has been changed to Bureau of Public Roads.

STATUTORY SALARIES (page 71, line 2).

There is an apparent increase in the statutory roll of \$8,660, but an actual decrease of \$1,200, as indicated in detail in the following table:

Transfers from lump funds of this bureau, which funds have been correspondingly reduced:

1 clerk, class 4, from administrative expenses.....	\$1,800
1 clerk, class 3, from administrative expenses.....	1,600
1 clerk, from administrative expenses.....	1,500
1 clerk, from administrative expenses.....	1,380
1 clerk, from road management.....	1,000
1 clerk, from administrative expenses.....	900
1 skilled laborer, from administrative expenses.....	1,200
1 laborer, messenger boy, or charwoman, from administrative expenses...	480

9,860

Transfer to Secretary's office:

1 carpenter.....	\$1,200
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Actual decrease..... 1,200

Apparent increase..... 8,660

GENERAL EXPENSES.

Road management investigations (page 72, line 15).—There is an apparent decrease in this item of \$1,000, but as that amount has been transferred to the statutory roll there is actually no change.

Road building and maintenance investigations (page 72, line 18).—There is an apparent decrease in this item of \$720, but as that amount has been transferred to a statutory roll there is actually no change.

Farm irrigation investigations (page 73, line 8).—There is a decrease in this item of \$20,000. The committee believes that, in view of the present emergency, a portion of the work under this paragraph can be discontinued during the next fiscal year.

Farm drainage investigations (page 73, line 22).—There is a decrease in this item of \$20,000. The committee believes that, in view of the present emergency, a portion of the work under this paragraph can be discontinued during the next fiscal year.

Administrative expenses (page 74, line 20).—There is apparently no change in this item, but as \$9,580 has been transferred to statutory rolls there is actually an increase of that amount. This sum will provide for increased administrative expenses incident to the enlarged activities of the bureau.

Erection of laboratory building at Arlington.—The agricultural appropriation act for 1918 contained an item of \$75,000 for the erection and equipment of a laboratory building at Arlington as permanent headquarters for the testing and research work of the Office of Public Roads and Rural Engineering. As this appropriation is available until the purpose for which it was made is accomplished, the item is omitted from the present bill.

BUREAU OF MARKETS.

STATUTORY SALARIES (page 75, line 2).

There is an apparent increase in the statutory roll of \$190,030, but an actual increase of \$3,060, as indicated in detail in the following table:

Transfers from funds of Bureau of Plant Industry, which funds have been correspondingly reduced:	
3 clerks, at \$900 each, from statutory roll.....	\$2, 700
1 laboratory aid, from statutory roll.....	960
1 draftsman, from pomological investigations.....	1, 200
	<hr/>
	\$4, 860
Transfer to statutory roll, Secretary's office:	
1 mechanical assistant.....	1, 800
	<hr/>
Actual increase.....	3, 060
Transfers from lump funds of this bureau, which funds have been correspondingly reduced:	
1 clerk in charge of supplies and accounts, from administrative expenses.....	2, 250
2 clerks, class 4, 1 from marketing and distributing farm products, and 1 from grain standardization, with change of title from executive clerk.....	3, 600
1 clerk, from collecting and distributing market information....	1, 440
11 clerks, class 2, 1 from marketing and distributing farm products, 1 from collecting and distributing market information, 1 from State cooperation in marketing, 2 from administrative expenses, 1 from cotton-futures act, 4 from grain-standards act, and 1 from warehouse act.....	15, 400
1 clerk, from marketing and distributing farm products.....	1, 300
62 clerks, class 1, 9 from marketing and distributing farm products, 6 from collecting and distributing market information, 8 from market reports on live stock and meats, 1 from food-supply investigations, 1 from State cooperation in marketing, 2 from grain standardization, 1 from cotton-futures act, 32 from grain-standards act, and 2 from warehouse act.....	74, 400
1 clerk, from collecting and distributing market information....	1, 100
45 clerks, at \$1,000 each, 9 from marketing and distributing farm products, 12 from collecting and distributing market information, 4 from market reports on live stock and meats, 1 from cotton testing, 2 from rural cooperation, 4 from grain standardization, 1 from administrative expenses, 1 from cotton-futures act, and 11 from grain-standards act.....	45, 000
2 clerks, at \$1,080 each, 1 from marketing and distributing farm products and 1 from grain-standards act.....	2, 160
5 clerks, at \$1,020 each, 2 from grain standardization and 3 from grain-standards act.....	5, 100
1 clerk, from collecting and distributing market information....	960
1 clerk, from cotton-futures act.....	900

Transfers from lump funds of this bureau, which funds have been correspondingly reduced—Continued.

4 telegraph operators, at \$1,200 each, 3 from collecting and distributing market information and 1 from market reports on live stock and meats.....	\$4, 800
7 telegraph operators, at \$1,080 each, 5 from collecting and distributing market information and 2 from market reports on live stock and meats.....	7, 560
1 telegraph operator, from market reports on live stock and meats.....	1, 020
1 draftsman, from grain standardization.....	1, 200
1 laborer, from collecting and distributing market information...	840
1 laborer, from marketing and distributing farm products.....	720
2 laborers, at \$660 each, 1 from cotton testing and 1 from grain-standards act.....	1, 320
1 messenger boy or laborer, from collecting and distributing market information.....	600
3 messenger boys or laborers, at \$540 each, from cotton-futures act.....	1, 620
10 messenger boys or laborers, at \$480 each, 1 from marketing and distributing farm products, 1 from collecting and distributing market information, 1 from rural cooperation, 1 from State cooperation in marketing, 2 from grain standardization, 3 from cotton-futures act, and 1 from grain-standards act.....	4, 800
12 messenger boys, at \$420 each, 2 from marketing and distributing farm products, 4 from collecting and distributing marketing information, 1 from market reports on live stock and meats, 1 from cotton-standard investigations, 1 from State cooperation in marketing, 1 from administrative expenses, and 2 from grain-standards act.....	5, 040
1 messenger boy, from collecting and distributing market information.....	360
1 messenger boy, from collecting and distributing market information.....	300
3 charwomen, at \$480 each, 2 from grain standardization and 1 from cotton-futures act.....	1, 440
1 charwoman, from cotton-futures act.....	300
6 charwomen, at \$240 each, 1 from marketing and distributing farm products, 2 from grain standardization, 1 from cotton-futures act, 1 from grain-standards act, and 1 from warehouse act.....	1, 440
	<hr/> 186, 970
Apparent increase.....	190, 030
Change of title:	
2 messenger boys or laborers, at \$600 each, in lieu of 2 laboratory aids, at \$600 each.	

GENERAL EXPENSES.

Marketing and distribution (page 76, line 13).—There is an apparent increase in this item of \$2,840, but \$30,060 has been transferred to statutory rolls and \$20,320 has been transferred to this item from the Bureau of Plant Industry, as indicated under the item for pomological investigations, which item has been correspondingly reduced. There is, therefore, an actual increase of \$12,580 in the amount available for the work heretofore done under the item for marketing and distribution. This sum will be used for extending the investigations relating to the marketing of live stock, meats, and animal by-products.

Market reports on fruits and vegetables (page 76, line 21).—There is an apparent increase in this item of \$11,920, but as \$38,080 has been

transferred to statutory rolls, there is an actual increase of \$50,000. The market news service for fruits and vegetables has been enlarged during the current fiscal year, and the additional sum of \$50,000 will be used for the maintenance of a portion of the enlarged service during the next fiscal year.

Market reports on live stock and meats (page 77, line 1).—There is an apparent decrease in this item of \$8,880, but as \$18,880 has been transferred to statutory rolls there is an actual increase of \$10,000. This sum will be used for extending and making more effective the work relating to the market reports on live stock and meats.

Food supply investigations (page 77, line 19).—There is an apparent decrease in this item of \$1,200, but as that amount has been transferred to the statutory roll there is actually no change.

Food products inspection (page 78, line 1).—This appears as a new item in the agricultural appropriation bill. The food-production act, which was approved on August 10, 1917, contained a provision authorizing the Secretary of Agriculture to investigate and certify to shippers the quality and condition of fruits, vegetables, and other food products when received at such important central markets as the Secretary of Agriculture may from time to time designate. Provision is made in the present bill for the continuation and extension of the work, and an appropriation is made for its prosecution during the fiscal year 1919.

Cotton standardization (page 78, line 13).—There is an apparent decrease in this item of \$2,080, but as this amount has been transferred to the statutory roll there is actually no change.

Rural cooperation (page 78, line 22).—There is an apparent decrease in this item of \$2,480, but as that amount has been transferred to the statutory roll, there is actually no change.

State cooperation in marketing work (page 79, line 6).—There is an apparent increase in this item of \$18,500, but as \$3,500 has been transferred to the statutory roll, there is an actual increase of \$22,000. Cooperative marketing work has been under way for some time in 21 States. In seven other States arrangements for the inauguration of similar work are in the course of completion. The additional sum of \$22,000 will be used for the prosecution of the work in these 28 States for a full year and to provide more adequately for the conduct of the administrative work incident thereto.

Grain standardization investigations (page 79, line 11).—There is an apparent decrease in this item of \$13,840, but as that amount has been transferred to the statutory roll, there is actually no change.

Enforcement of the standard container act (page 79, line 14).—There is an increase in this item of \$1,000. The standard container act did not become operative until November 17, 1917, and the additional sum of \$1,000 is needed to enforce its provisions through an entire fiscal year.

Administrative expenses (page 79, line 23).—There is an apparent decrease in this item of \$470, but as \$6,470 has been transferred to the statutory roll, there is an actual increase of \$6,000. This sum will provide for increased administrative expenses incident to the enlarged activities of the bureau.

ENFORCEMENT OF THE UNITED STATES COTTON-FUTURES ACT (page 80, line 1).—There is an apparent increase in this item of \$14,980, but as \$10,029 has been transferred to statutory rolls there is an actual increase of \$25,000.

The Secretary of Agriculture, in a letter to the committee, called attention to the large increase in the cost of the cotton used in the preparation of official cotton standards under the provisions of the act. He urgently recommended that an additional sum of \$25,000 be made available to meet this increase, which approximates 75 per cent as compared to the prices prevailing a year ago. During the fiscal year 1917, 421 bales of cotton were purchased by the department for this work, at a cost of \$37,250. To duplicate these purchases of cotton on the basis of the present market price, which is approximately 32 cents delivered in Washington, would entail an expenditure of \$67,360. There has been a considerable advance also in the cost of miscellaneous supplies needed in the prosecution of the work, including cartons, pasteboard boxes, wrapping paper, and the like. It should be borne in mind that it is necessary to purchase large quantities of cotton in order to secure representative samples for use in the preparation of the cotton standards. The cotton which is not used for this purpose is sold at market prices and the money is returned to the Treasury.

ENFORCEMENT OF THE UNITED STATES GRAIN-STANDARDS ACT (page 80, line 10).—There is an apparent decrease in this item of \$62,560, but as that amount has been transferred to statutory rolls, there is actually no change.

ADMINISTRATION OF THE UNITED STATES WAREHOUSE ACT (page 80, line 17).—There is an apparent decrease in this item of \$6,080, but as that amount has been transferred to statutory rolls, there is actually no change.

AUTHORITY TO ADMINISTER OATHS, SUMMON WITNESSES, ETC. (page 81, line 1).—It was evidently the intention of Congress that the authority contained in this provision should apply permanently to the activities of the Bureau of Markets, but the use of the words "this act" makes it doubtful whether any such permanent authority was granted. The language has been amended so as to clarify the paragraph and to effectuate the evident intention of Congress.

ENFORCEMENT OF THE INSECTICIDE ACT.

STATUTORY SALARIES (page 81, line 17).

There is an apparent increase in the statutory roll of \$1,680, but an actual increase of \$1,200 as indicated in detail in the following table:

New place:	
1 sample and storeroom custodian.....	\$1,200
Actual increase.....	
Transfer from lump fund of this office, which fund has been correspondingly reduced:	1,200
1 charwoman.....	480
Apparent increase.....	1,680

GENERAL EXPENSES.

Enforcement of the insecticide act (page 82, line 8).—There is an apparent increase in this item of \$7,060, but as \$480 has been transferred to the statutory roll, there is an actual increase of \$7,540. This amount will be used for the more effective conduct of investigative work now under way on insecticides and fungicides and for the examination of the increased number of samples that will be collected.

FEDERAL HORTICULTURAL BOARD.

STATUTORY SALARIES (page 82, line 17).

There is an apparent increase in the statutory roll of \$6,000, but an actual decrease of \$200, as indicated in detail in the following table:

New place:	
1 clerk, class 4.....	\$1, 800
Places dropped:	
2 clerks, at \$900 each.....	1, 800
Transfers from lump fund of this office, which fund has been correspond-	
ingly reduced:	
1 executive clerk.....	\$2, 000
1 clerk, class 1.....	1, 200
3 clerks, at \$1,000 each.....	3, 000
	<hr/>
	6, 200
Transfer to statutory roll, Secretary's office:	
1 clerk, class 4.....	\$1, 800
Transfer from statutory roll, Secretary's office:	
1 clerk, class 3.....	1, 600
	<hr/>
Actual decrease.....	200
Apparent increase.....	<hr/> 6, 000

GENERAL EXPENSES.

Enforcement of the plant-quarantine act (page 83, line 6).—There is an apparent decrease in this item of \$6,200, but as that amount has been transferred to the statutory roll, there is actually no change.

MISCELLANEOUS.

DEMONSTRATIONS ON RECLAMATION PROJECTS (page 84, line 4).

There is an apparent decrease in this item of \$1,400, but as that amount has been transferred to a statutory roll, there is actually no change.

PASSENGER-CARRYING VEHICLES (page 85, line 18).

This paragraph carries no appropriation. The amount authorized to be expended for the purchase, maintenance, repair, and operation of passenger-carrying vehicles is reduced by \$12,000. The language of the paragraph has been amended so as to eliminate motor boats from its provisions.

ERADICATION OF FOOT-AND-MOUTH AND OTHER CONTAGIOUS DISEASES
OF ANIMALS (page 86, line 9).

There is no change in the amounts carried by this paragraph. The language has been amended so as to make available during the fiscal year 1919 the unexpended balance of the appropriation of \$2,500,000 included in the appropriation act for the fiscal year 1916.

PINK BOLLWORM OF COTTON (page 87, line 24).

The appropriation act for the fiscal year 1918 contained, under the appropriation for the Federal Horticultural Board an item of \$50,000 to enable the department to take appropriate measures to prevent the introduction of the pink bollworm into the United States or to insure its prompt elimination if it should enter. To provide for the more effective prosecution of the work the Secretary of Agriculture on June 22, 1917, transmitted to the Congress an additional estimate of \$500,000 to be used in combating the pink bollworm. The urgent deficiency act of October 6, 1917, made available an appropriation of \$250,000 for this purpose. In view of this fact, no provision was made in the estimates for the work during the fiscal year 1919. It was the thought of the department that it would be better to defer further recommendation in the matter until later in the season, when the needs for next year could be more accurately determined.

The Secretary of Agriculture, therefore, under date of January 12, submitted to the Secretary of the Treasury a supplemental estimate of \$800,000. The letter accompanying the estimate explains in detail the necessity for the appropriation and the purposes for which it will be used.

Unfortunately, the pink bollworm has made its appearance in several places in Texas. It is threatening the entire cotton industry of the Nation and it is essential that vigorous action be taken to suppress it. The destructiveness of the insect and the necessity for prompt remedial measures is clearly indicated by the Secretary in the letter referred to:

The pink bollworm is perhaps the most serious known enemy of the cotton crop. It destroys not only the bolls and lint but also the seeds, and greatly reduces the yield of oil. It hibernates in the larval stage in the seed and has been carried to practically all the cotton-producing countries of the world. The damage it is causing in Egypt, India, Hawaii, and other countries indicates the seriousness of the menace to cotton culture in this country. It is essential that every feasible step be taken to prevent the further entry and establishment of the insect in this country. It is hoped that Congress will make available the amount suggested in order that the work of eradication and control may be continued and expanded and vigorously prosecuted during the next fiscal year.

The committee held extended hearings on the subject and decided to include an appropriation of \$500,000 for the prosecution of the eradication and control work during the next fiscal year.





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